

## PRODUCT DATA SHEET

# SikaRapid<sup>®</sup> CC

Set accelerating admixture

## DESCRIPTION

SikaRapid<sup>®</sup> CC is a quick setting, liquid admixture which brings about rapid setting and hardening of Portland cement mixes.

## USES

SikaRapid<sup>®</sup> CC is used where rapid setting of Portland cement is required, such as:

- Sealing of leaking joints in brickwork
- Quick patching of plaster or mortar
- Fast setting and hardening of unreinforced concrete

## CHARACTERISTICS / ADVANTAGES

- Easy to use
- Economical
- Induces rapid setting
- Increased mechanical strengths

## PRODUCT INFORMATION

<b>Chemical Base</b>	Calcium Chloride
<b>Packaging</b>	5 Litre and 25 Litre plastic containers
<b>Appearance / Colour</b>	Opaque Liquid
<b>Shelf Life</b>	12 months from date of production
<b>Storage Conditions</b>	Store properly in undamaged containers, in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost.
<b>Density</b>	1.2 kg/litre (at +25°C)

## APPLICATION INFORMATION

<b>Recommended Dosage</b>	1 – 5 Litres per 50 kg cement. Recommended dosage is 2 Litre per 50 kg cement
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## Dispensing

- Ensure that SikaRapid® CC is thoroughly mixed prior to use. Add SikaRapid® CC to the clean mixing water and stir thoroughly before adding to the mortar/concrete mix. The volume of SikaRapid® CC depends on the required setting time. For cement mortars it is advisable to use a 1:4 cement sand mix. For concrete, a minimum of 300kg/m<sup>3</sup> cement is recommended, with a minimum 28 day compressive strength of 25Mpa.

- Leak Plugging

Add approximately 3 parts fresh Portland cement to 1 part SikaRapid® CC and mix thoroughly until plastic consistency is achieved ( $\pm$  30 seconds). Form a plug and compress it into the cavity, applying pressure continuously for approximately 2 minutes until cement has set.

- Rapid setting and Hardening

Add the SikaRapid® CC and water mixture to the dry cement mortar/concrete mixing thoroughly and quickly until a homogeneous mix is achieved. Place in position immediately. Do not apply loads or traffic for at least 6 hours.

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## Restrictions

When using SikaRapid® CC a suitable mix design has been taken into account and local material sources should be trialled.

**SikaRapid® CC contains calcium chloride and should not be used in concrete or mortar which has reinforcing bars or comes into direct contact with steel.**

SikaRapid® CC should not be added to dry cement.

SikaRapid® CC should be added with the mixing water or introduced at the end of the mixing process.

Before application, suitability tests must be performed.

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## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## ECOLOGY HEALTH AND SAFETY

Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the Safety Data Sheet.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommenda-

tions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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### Product Data Sheet

SikaRapid® CC  
August 2020, Version 01.02  
02140202100000043

SikaRapidCC-en-ZA-(08-2020)-1-2.pdf